

GACGCCCCAAAACGCATATGACTCACCAACGCTGTCTTGACCATGAAGCCA
CCCTGAGGTGCTGGGCCCTGAGCTTCTACCCCTGGGAGATCACACTGACCTG
GCAGCGGGATGGGGAGGACCAGACCCAGGACACGGAGCTCGTGGAGACCAGG
CCTGCAGGGGATGGAACCTTCCAGAAGTGGGCGGCTGTGGTGGTGCCTTCTG
GACAGGAGCAGAGATAACACCTGCCATGTGCAGCATGAGGGTTGCCAAGCC
CCTCACCTGAGATGG

Figure 1

CGGGCCGCAAACCATGGGATGGAGCTGTATCATCCTCTTCTTGGTAGCAACA
GCTACAGGCGCGCATATGGTCACCGTCTCCTCAGCCTCCACCAAGGGCCCAT
CGGTCTTCCCCCTGGCACCCCTCCAAGAGCACCTCTGGGGCACAGCGGC
CCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCTGG
AACTCAGGCGCCCTGACCAGCGCGTGCACACCTCCGGCTGTCTACAGT
CCTCAGGACTCTACTCCCTCAGCAGCGTCGTGACCGTGCCTCCAGCAGCTT
GGGCACCCAGACCTACATCTGCAACGTGAATACAAGCCCAGCAACACCAAG
GTGGACAAGAAAGTTGAGCCAAATCTTGTGACAAAACTCACACATGCCAC
CGTGCCCAGCACCTGAACCTCCTGGGGGACCGTCAGTCTCCTCTTCCCCC
AAAACCCAAGGACACCCCTCATGATCTCCGGACCCCTGAGGTACATGCGTG
GTGGTGGACGTGAGCCACGAAGACCCCTGAGGTCAAGTTCAACTGGTACGTGG
ACGGCGTGGAGGTGCATAATGCCAAGACAAAGCCGGGAGGAGCAGTACAA
CAGCACGTACCGTGTGGTCAGCGTCCTCACCGTCTGCACCAAGGACTGGCTG
AATGGCAAGGAGTACAAGTGCAAGGTCTCCAACAAAGCCCTCCAGCCCCA
TCGAGAAAACCATCTCAAAGCCAAAGGGCAGCCCCGAGAACCAAGGTGTA
CACCTGCCCATCCGGATGAGCTGACCAAGAACCAAGGTGAGCCTGACC
TGCCTGGTCAAAGGCTTCTATCCCAGCGACATGCCGTGGAGTGGAGAGCA
ATGGGCAGCCGGAGAACAACTACAAGACCACGCCTCCGTGCTGGACTCCGA
CGGCTCCTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAG
CAGGGGAACGTCTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCACT
ACACGCAGAAGAGCCTCTCCCTGTCTCCGGTAAA

Figure 2

GCGGCCGCAAACCATGGGATGGAGCTGTATCATCCTCTTGGTAGCAACAGCTACAGGC
GCGCATATGGTCACCGTCTCCTCAGCCTCCACCAAGGGCCATCGGTCTTCCCCTGGCAC
CCTCCTCCAAAGAGCACCTCTGGGGGCACAGGGCCCTGGGCTGCCTGGTCAAGGACTACT
CCCGGAACCGGTGACGGTGTGGACTCAGGGCCCCTGACCAGCGCGGTGCACACCT
CCGGGTGTCCTACAGTCCCTCAGGACGTCTACTCCCTCAGCAGCGGTCGACCGGTGCCCCTCC
GCAGCTGGGCACCCAGACCTACATCTGCACGTGAATCAAGCCAGCAACACCAAG
GGACAAAGAAAGTTGAGGCCAAATCTGTGAAAAAACTCACACATGCCCACCGGTGCCCAGCA
CCGTGAACCTCCGGGGGGACCGTCAGTCCTCCCTCCCCAAAAACCCAAAGGAACCCCT
TAGATCCCGGACCCCTGAGGGTCACTGCGTGGGTGGACGTGAGCCCACGAAGACCCGT
GGTCAAGTTTCAACGTGGACGTGGACGGGTGCATATGCCAAGACAAAGCCGGCG
GAGAGCGAGTACACACACCGACGTACCGGTGGTCAGGTCCCTACCGGTCCGTGCACAGGG
GGGTGAATGGCAAGAGGTACAGGTCAAGGTCTCCAAACAAAGCCCTCCAGCCCCATCG
GAAAACATCTCCAAAGCCAAAGGGCAGGCCCCGAGAACACACAGGTGTACACCCCTGCCCCC
TCCGGGAGTGAGGCTGACAAGAAACCAAGGTCAGGGTCACTGCCTGGGTCAAAAGGTCTAT
CCAGCGACATCGCCGTGGAGGTGGAGAGCAATGGCGAGCCGGGAGAACAAACTAAGACACAC
GCCTCCGTGTGGACTCCGACGGGTCCTTCTCTCTCAAGCAAGGTCACCGTGGACAG
AGCAGGGTGGCAGCAGGGGAACGTCTCTCTCAGTGCCCGTGTGAGGGTCTGCACACAC
ACTAACCGCAAGAGACGCCTCTCCCTGTCTCCGGTAAAAGGAGGCGGTCTTCAGACCC
CAAAACGCATATGACTACACACGTGTCTCTGACCATGAAGCCACCCCTGAGGGT
CTGAGGGTCTACCCCTGCGGAGATCAACACGTGACTGGCAGCGGGTGGGGAGACCC
AGACACGGAGCTGTGGAGACCCAGGCCTGCAGGGGTGAACCTCCAGAAAGGTGGCGGC
TGTGGGTGTGCCTCTGGACAGGGAGCAGAGAATACACCTGCCAGTGCAGCAGTGAGGGTTT
CCCAAGCCCCCTACCCCTGAGAGTGGGGAGGCGGGTCTTCAGAATTCGGAGGCCGGGTCTTC
AGCCCCCCAAACGCATATGACTCACCACCGGTGTCTCTGACCATGAAGCCACCCCTGAGGGT
CTGGGGCCCTGAGAGTCTACCCCTGCGGAGATCAACACGTGACTGGCAGCGGGTGGGGAGAC
CAGACCCAGGACACGGAGCTGTGGAGACCCAGGCCTGCAGGGGTGAACCTCCAGAAAG
GGCGGGCTGTGGGTGCCTCTGGACAGGGAGCAGAGAATACACCTGCCAGTGCAGCAGT
GGGTTTGCCCAAGCCCCCAAACGCATATGACTACACACGTGTCTCTGACCATGAAGCCACCC
TCTTCGACGCCCCAAACGCATATGACTACACACGTGTCTCTGACCATGAAGCCACCC
TGAGGTGTGTGGCCCTGAGTCTACCCCTGCGGAGATCAACACGTGACTGGCAGCGGGTGG
GGAGACCACCAGGACACGGAACCGAGCTGTGGAGACCCAGGCCTGCAGGGGTGAACCT
CAGAAGGTGGCGGCGTGTGGGTGCCTCTGGACAGGGAGCAGAGAATACACCTGCCAGT
AGCAGTGAGGGTTTGCCCAAGCCCCCAAACGCATATGACTACACACGTGTCAAGGTGGCGGC

MGWSCIILFLVATATGAHMVTSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPV
 TVSWNSGALTSGVHTFPAVLQSSLYSLSSVUTPSSSLGTQTY1CNVNHKPSNTKVDKK
 EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPDTLMISRTPEUTCVVDVSHEPVKFN
 WYVDGVEVHNATKPREEQYNSTYRVSVLTVLHQDWLNGKEYKCVSNKALPAPIEKT
 KAKQPREPQVYTLPPSRDELTKQVSLTCVKGFYPSDIAVEWESNQPENNYKTPPVL
 DSDGSFFLYSKLTVDKSRWQQGNVFSCSVHEALHNYTQKSLSLPGKGGGSSDAPKTHM
 THHAVSDHEATLRCWALSFYPAEILTWQRDGEDQTQDTELVETRPAGDGTFQKWAAVV
 VSGQEQRYTCHVQHEGLPKPLUWGGSSRGGSSDAPKTHMTHHAVSDHEATLRCWALSFYPAEILTWQRDGEDQT
 QDTELVETRPAGDGTFQKWAAVVPSQQEQRYTCHVQHEGLPKPLUW

Figure 3

CCATCGATATGTCTCGCTCCGTGGCCTTAGCTGTGCTCGCGCTACTCTCTCT
TTCTGGCCTGGAGGCTAACCTGGTGCCTAGGTGGCTACGGTTGGAGGTGGG
GGAGGCGGATCAGGAGGCTCAGGTGGGTAGGAGGCATCCAGCGTACTCCAA
AGATTCAAGGTTACTCACGTCACTCAGCAGAGAATGGAAAGTCAAATTCCCT
GAATTGCTATGTGTCTGGGTTCATCCATCCGACATTGAAGTTGACTTACTG
AAGAATGGAGAGAGAATTGAAAAAGTGGAGCATTGAGACTTGTCTTCAGCA
AGGACTGGTCTTCTATCTCTGTACTACACTGAATTCACCCCCACTGAAAA
AGATGAGTATGCCTGCCGTGTGAACCATGTGACTTGTACAGCCCAAGATA
GTTAAGTGGGATCGAGACATGTAAGGATCCCG

MSRSVALAVLALLSLSGLEANLPMVATVGGGGGGSGSGSGGIQRTPKIQ
VYSRHPAENGKSNFLNCYVSGFHPSDIEVDLLKNGERIEKVEHSDLFSKDW
SFYLLYYTEFTPTEKDEYACRVNHVTLSQPKIVKWDRDM

Figure 4